

WO 00/76821

PCT/SE00/01167

9

CLAIMS

- 5 1. A car body for a rail vehicle, including a plurality of beams (1) arranged to carry one or more wall elements (3-5), characterized in that at least one of said beams (1) includes an attaching member (6), extending substantially in the longitudinal direction of the beam, for engagement with at least a part of one or more components intended to be supported by the beam (1).
- 10 2. A car body according to claim 1, characterized in that the attaching member (6) and said part of the component or components has such a complementary shape that a form locking is achieved between the beam (1) and the component at said engagement.
- 15 3. A car body according to claim 1 or 2, characterized in that the attaching member (6) is an integrated part of the beam (1).
- 20 4. A car body according to claim 1, characterized in that the attaching member (6) defines a recess, extending in the longitudinal direction of the beam.
- 25 5. A car body according to claim 4, characterized in that the recess (6) has a substantially T-shaped cross-section.
- 30 6. A car body according to any one of claims 1-5, characterized in that the beam (1) includes a sheet with a substantially constant thickness, and that the attaching member (6) is defined by the shape of the sheet.
- 35 7. A car body according to any one of claims 1-6, characterized in that the beam (1) is made of steel or aluminum.
8. A car body according to any one of claims 1-7, characterized in that said component or components include interiors, channels, cabling, and/or bogie wagon equipment in the vehicle.

WO 00/76821

PCT/SE00/01167

10

12/5/02
22/365.2
10-14
10
5
9. A car body according to any one of claims 1-8, characterized in that the beam (1) is arranged to support the bogie wagon (3), the side-wall (4) or the roof (5) of the vehicle.

10. A method for manufacturing of a beam (1) for a car body of a vehicle, characterized in that an attaching member (6), which runs substantially in the longitudinal direction of the beam (1), is arranged in the beam.

11. A method according to claim 10, characterized in that the beam (1) includes a sheet and that the attaching member (6) is accomplished by rolling of the sheet.

12. A method according to claim 10 or 11, characterized in that the attaching member (6) defines a recess which extends in the longitudinal direction of the beam (1).

13. A method according to any one of claims 10-12 characterized in that the recess (6) has a substantially T-shaped cross-section.

14. A method according to any one of the claims 10-13, characterized in that the vehicle is a rail vehicle, in particular a rail-way wagon, and that the attaching member (6) is dimensioned for receiving a component and for fixing it thereto, in particular interiors, channels, cabling, and/or bogie wagon equipment in the vehicle.